clarion®

Owner's manual
Mode d'emploi
Manual de instrucciones
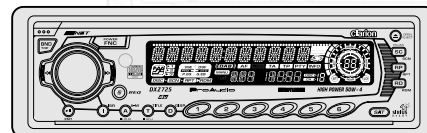
DXZ725

AM/FM CD PLAYER WITH DVD/CD/MD CHANGER CONTROL

•

RADIO AM/FM-LECTEUR CD AVEC COMMANDE DE CHANGEUR DVD/CD/MD

•

RADIO-REPRODUCTOR AM/FM DE DISCOS COMPACTOS CON CONTROL DE CAMBIADOR DE DVD/DISCOS COMPACTOS/ MINIDISCOS

ProAudio *NET*

Clarion Co., Ltd.

Thank you for purchasing this **Clarion** product.

∗ Please read this owner's manual in its entirety before operating this equipment.
∗ After reading this manual, be sure to keep it in a handy place (e.g., glove compartment).
∗ Check the contents of the enclosed warranty card and keep it carefully with this manual.
∗ This manual includes the operating procedures of the CD changer, MD changer, AUX, DAB, DSP DVD, PHONE MUTE and TV tuner connected via the CeNET cable. The CD changer, MD changer and TV tuner have their own manuals, but no explanations for operating them are described.

Contents

1. FEATURES

- Pop-Up Rotary Encoder Volume with Rubber
- Motorized Sloping Console Detachable Aluminum Face & High Visibility Multi-Color LC Display
- Controller for Optional DVD Deck, DSP/EQ & SIRIUS, DAB, DAB Tuner Modules
- CD-R/CD-RW Compatible, Built-In CD TEXT, Also Reads CD TEXT Data from Clarion Compatible CD Changer
- BEAT EQ for Sound Creation with 3 Adjustment Modes (3-Band P.EQ)
- CeNET with Balanced Audio Line Transmission and Dynamic Noise Cancelling
- **MAGITUNE®** FM Reception System
- 8-Times Oversampling Digital Filter and Dual 1-Bit D/A Converters
- Zero-Bit Detector™ Mute Circuit
- 4V / Front 2-Channel + 2V / Rear 2-Channel RCA Line Level Output with Fader Control
- 4V / 2-Channel Non-Fade RCA Line Level Output with Volume Control
- 2-Channel RCA AUX Input with 3 Level Adjustments

● When the Sirius Satellite Radio is connected

∗ For details, refer to the Owner's Manual provided with the Sirius Satellite Radio.

[FNC] button
▪ Press the button to switch the operation mode among the SIRIUS mode, etc.

[SC] button
▪ Performs preset scan while in the SIRIUS mode. When the button is pressed and held, auto store is performed.

[DIRECT] button
▪ Stores a station into memory or recall it directly while in the SIRIUS mode.

[◀◀], [▶▶] button
▪ Press the button to selects a station.

[SAT] button
▪ Press the button to switch the SIRIUS mode.

What is Sirius Satellite Radio?

Sirius is radio the way it was meant to be: Up to 100 new channels of digital quality programming delivered to listeners coast to coast via satellite. That means 50 channels of completely commercial-free music. Plus up to 50 more channels of news, sports, and entertainment from names like CNBC, Discovery, SCI-FI Channel, A&E, House of Blues, E!, NPR, Speedvision and ESPN.

Sirius is live, dynamic entertainment, completely focused on listeners. Every minute of every day of every week will be different. All 50 commercial-free music channels are created in-house and hosted by DJs who know and love the music. Do you like Reggae? How about Classic Rock or New Rock? Sirius has an array of choices spanning a vast range of musical tastes including the hits of the 50's, 60's, 70's, & 80's as well as Jazz, Country, Blues, Pop, Rap, R&B, Bluegrass, Alternative, Classical, Heavy Metal, Dance and many others...

From its state-of-the-art, digital broadcasting facility in Rockefeller Center, New York City, Sirius will deliver the broadest, deepest mix of radio entertainment from coast to coast.

Sirius will bring you music and entertainment programming that is simply not available on traditional radio in any market across the country. It's radio like you've never heard before. So Get Sirius and Listen Up! For more information, visit siriusradio.com.

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2. PRECAUTIONS

1. When the inside of the car is very cold and the player is used soon after switching on the heater moisture may form on the disc or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc, wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.

2. Driving on extremely bumpy roads which cause severe vibration may cause the sound to skip.

3. This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help.

⚠CAUTION

USE OF CONTROLS, ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THE COMPACT DISC PLAYER and MINI DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE MANUFACTURER FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.
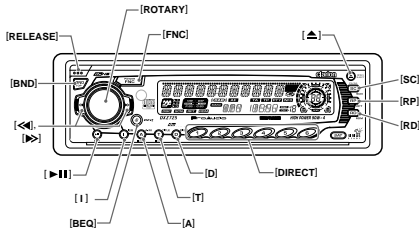
INFORMATION FOR USERS:

CHANGES OR MODIFICATIONS TO THIS PRODUCT NOT APPROVED BY THE MANUFACTURER WILL VOID THE WARRANTY AND WILL VIOLATE FCC APPROVAL.
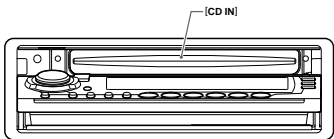
```
MODEL                        clarion
        12V ⊖ GROUND
AM 530-1710kHz/FM 87.9-107.9 MHz

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDI-
TIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFER-
ENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTER-
FERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY
CAUSE UNDESIRED OPERATION.

THIS PRODUCTION COMPLIES WITH DHHS RULES 21 CFR
SUB-CHAPTER J APPLICABLE AT DATE OF MANUFACTURE.

CLARION CO., LTD.
50 KAMITODA, TODA-SHI, SAITAMA-KEN, JAPAN.

MANUFACTURED:

© 051 722 877

SERIAL No.                      280-
PN                              Clarion Corp.
                                MADE IN
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Bottom View of Source Unit

Motorized Face

This unit uses motorized face to make large-screen displays possible.

When you use the motorized face, be sure to close it.

⚠CAUTION

BE CAREFUL NOT TO GET YOUR FINGERS CAUGHT WHEN OPENING AND CLOSING THE MOTORIZED FACE.

1. For safety's sake, always close the MOTORIZED FACE before leaving this unit unused for a prolonged period or switching OFF the ignition key.

   If you switch OFF the ignition key with the MOTORIZED FACE tilted, the MOTORIZED FACE does not close.

2. Before the MOTORIZED FACE closes, there may be a sound from the safety mechanism. This is normal.

3. If you move the MOTORIZED FACE by hand, this may create play. To correct this play, with the power on for the unit, press the [▲] button to close the MOTORIZED FACE.

4. After a disc is ejected, the MOTORIZED FACE automatically returns to the tilted or closed state. If there is any obstruction when the MOTORIZED FACE tries to close, the safety mechanism is triggered and the MOTORIZED FACE returns to the open state. If this happens, remove the obstruction, then press the [▲] button.

5. To avoid scratching the compact disk, keep the 12 or 8 cm CD level when inserting or removing them.

Handling Compact Discs

Use only compact discs bearing the 💿 or 💿 mark.

Do not play heart-shaped, octagonal, or other specially shaped compact discs.

Some CDs recorded in CD-R/CD-RW mode may not be usable.

Handling

▪ Compared to ordinary music CDs, CD-R and CD-RW discs are both easily affected by high temperature and humidity and some of CD-R and CD-RW discs may not be played. Therefore, do not leave them for a long time in the car.

▪ New discs may have some roughness around the edges. If such discs are used, the player may not work or the sound may skip. Use a ball-point pen or the like to remove any roughness from the edge of the disc.

Ball-point pen
Roughness

▪ Never stick labels on the surface of the compact disc or mark the surface with a pencil or pen.

▪ Never play a compact disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a compact disc, you may not be able to get it back out of the

CD player or it may damage the CD player.

▪ Do not use compact discs that have large scratches, are misshapen, cracked, etc. Use of such discs may cause misoperation or damage.

▪ To remove a compact disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.

▪ Do not use commercially available CD protection sheets or discs equipped with stabilizers, etc. These may damage the disc or cause breakdown of the internal mechanism.

Storage

▪ Do not expose compact discs to direct sunlight or any heat source.

▪ Do not expose compact discs to excess humidity or dust.

▪ Do not expose compact discs to direct heat from heaters.

Cleaning

▪ To remove fingermarks and dust, use a soft cloth and wipe in a straight line from the center of the compact disc to the circumference.

▪ Do not use any solvents, such as commercially available cleaners, anti-static spray, or thinner to clean compact discs.

▪ After using special compact disc cleaner, let the compact disc dry off well before playing it.

3.CONTROLS / LES COMMANDES / CONTROLES

Source unit / Appareil pilote / Unidad fuente

[ROTARY]
[RELEASE] [FNC] [▲]
[BND] [SC]
[◄◄] [RP]
[►►] [RD]

[►II] [D] [DIRECT]
[I] [T]
[BEQ] [A]

With the SLOPING CONSOLE opened / Ouvrez la CONSOLE RABATTABLE
Apertura de la CONSOLA INCLINABLE

[CD IN]

Note: Be sure to unfold this page and refer to the front diagrams as you read each chapter.
Remarque: Veuillez déplier cette page et vous référer aux schémas quand vous lisez chaque chapitre.
Nota: Cuando lea los capítulos, despliegue esta página y consulte los diagramas.

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4. NOMENCLATURE

Note:
• Be sure to read this chapter referring to the front diagrams of chapter "**3. CONTROLS**" on page 5 (unfold).

Names of the Buttons and their Functions

[RELEASE] button
• Press the button to remove the DCP.

[ROTARY] knob
• Press the front part of the knob to adjust. The knob will pop up.
• Adjust the volume by turning the knob clockwise or counterclockwise.
• Use the knob to perform various settings.

[FNC] button
• Press the button to turn on the power. Press and hold the button for 1 second or longer to turn off the power.
• Switches the operation mode among the radio mode, etc.

[▲] button
• Use the button to open the motorized face.
• Ejects a CD when it is loaded into the unit.

[SC] button
• Performs preset scan while in the radio mode. When the button is pressed and held, auto store is performed.
• Performs scan play for 10 seconds for each track while in the CD mode.

[RP] button
• Repeat play while in the CD mode.

[RD] button
• Performs random play while in the CD mode.

[DIRECT] button
• Stores a station into memory or recall it directly while in the radio mode.

[D] button
• Switches the display indication(Main display,clock display).

[T] button
• Use the button to input a title in the CD mode.
• Press and hold the button for 1 second or longer to enter the adjust mode.

[A] button
• Press and hold the button for 1 second or longer to turn the loudness on or off.
• Use the button to switch to the audio mode (non fader volume/bass/mid/treble, balance/fader adjustment)

[BEQ] button
• Use the button to select one of the three types of sound characteristics already stored in memory.

[I] button
• Recalls ISR radio station in memory.
• Press and hold for 2 seconds or longer: Stores current station into ISR memory (radio mode only).

[►II] button
• Plays or pauses a CD while in the CD mode.

[◄◄], [►►] button
• Selects a station while in the radio mode or selects a track when listening to a CD. These buttons are also used to make various settings.

[BND] button
• Switches the band, or seek tuning or manual tuning while in the radio mode.
• Plays a first track while in the CD mode.

[CD IN]
• CD insertion slot.

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Major button operations when external equipment is connected to this unit

●**When the CD/MD/DVD changer is connected**
 ※ For details, see the section "**CD/MD changer operations**". For the DVD changer, refer to the Owner's Manual provided with the DVD changer.

[SC] button
• Performs scan play for 10 seconds for each track. Disc scan play is performed when the button is pressed and held.

[RP] button
• Performs repeat play. When this button is pressed and held, disc repeat play is performed.

[RD] button
• Performs random play. Also performs disc random play when the button is pressed and held

[DIRECT] button
• Designates the disc to be played.

[D] button
• When the button is pressed and held, switches the disc titles or track titles while in the MD changer mode.
• When the button is pressed and held, switches the user titles or track titles ,etc.while in the CD changer mode.

[T] button
• Use the button to input a title in the CD changer mode.
• Use the button to scroll the title during CD-text play or MD changer play in the CD changer mode.

[►II] button
• Plays or pauses a CD, MD or DVD.

[◄◄], [►►] button
• Selects a track when listening to a disc.

[BND] button
• Plays a first track.

●**When the TV/DAB is connected**
 ※ For details, see the section "**TV operations**" or "**DAB operations**".
 ※ A Digital Radio (DAB) program can be received only in Canada.

[SC] button
• Performs preset scan while in the radio mode. When the button is pressed and held, auto store is performed. (This function is only TV tuner.)

[RP] button
• Press the button to turn on or off the AF (Alternative Frequency) function in the DAB mode. (This function is only DAB tuner.)

[RD] button
• Use the button to set the PTY (Programme Type) standby mode or PTY items in the DAB mode.
• Switches the TV picture mode or VTR (external) picture mode.

[DIRECT] button
• Stores a station into memory or recall it directly.

[◄◄], [►►] button
• Selects a station.

[BND] button
• Switches the band.
• When the button is pressed and held, switches seek tuning or manual mode.

●**When the DSP is connected**
 ※ The factory default setting is "**STD**" (standard).
   This section describes the major buttons to be operated in the STD mode.
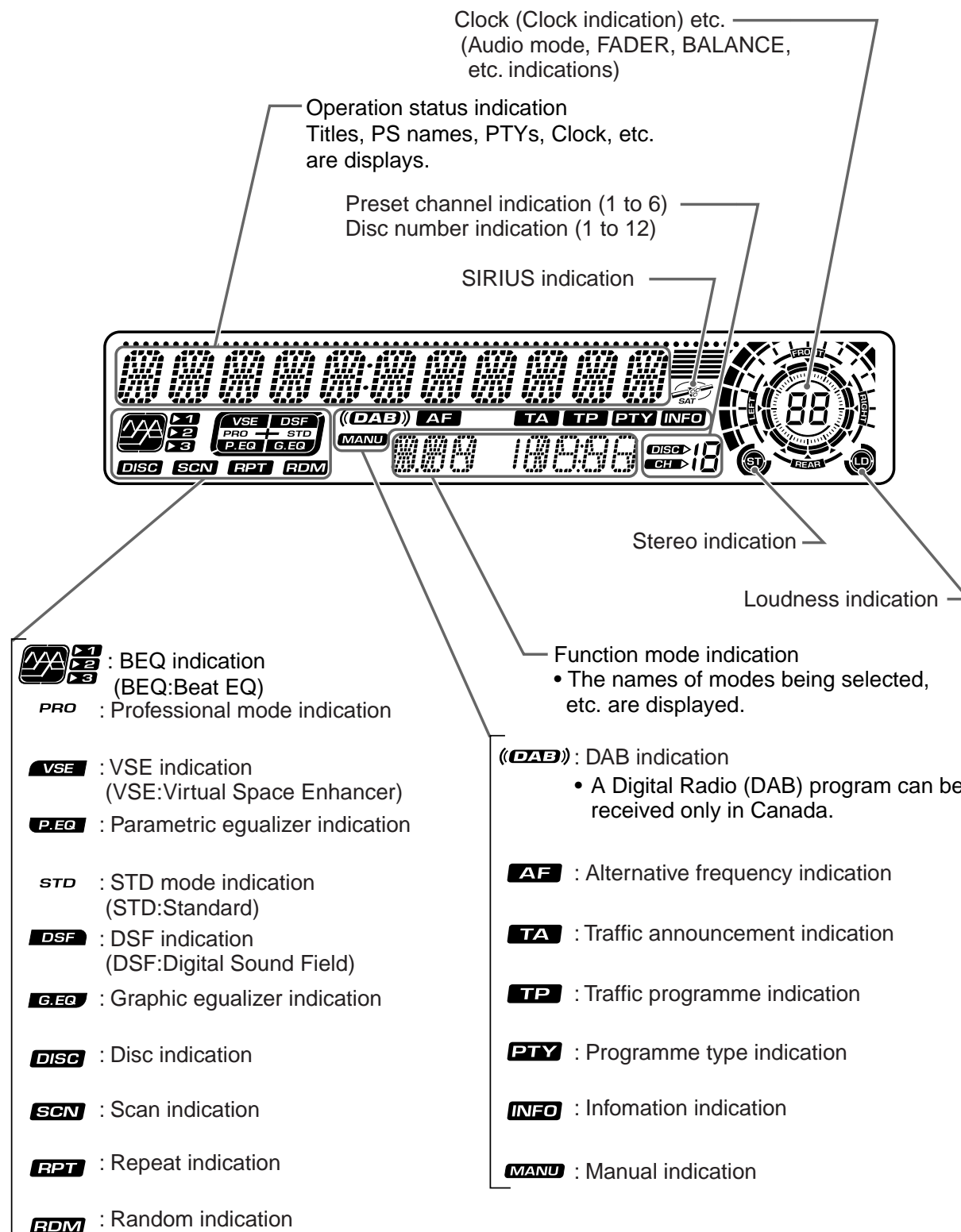 ※ For details, see the section "**DSP Operations**".

[A] button
• Use the button to select from between G.EQ or DSF.
   After G.EQ is selected, press the [**D**] button and then the [**A**] button to turn on or off the G.EQ (DSF) effect.
   After G.EQ is selected, press the [**BND**] button and then the [**DIRECT**] button to select the G.EQ (DSF) menu.

[T] button
• Use the button to select the "**STD**" or "**PRO**" mode.
   Press and hold the [**T**] button for 1 second or longer to show the adjustment selection display and then press the [**◄◄**] button or [**►►**] button to select "**AC-P SEL**" in the display.
   Turn [**ROTARY**] knob clockwise or counterclockwise to set the mode to "**STD**" or "**PRO**".
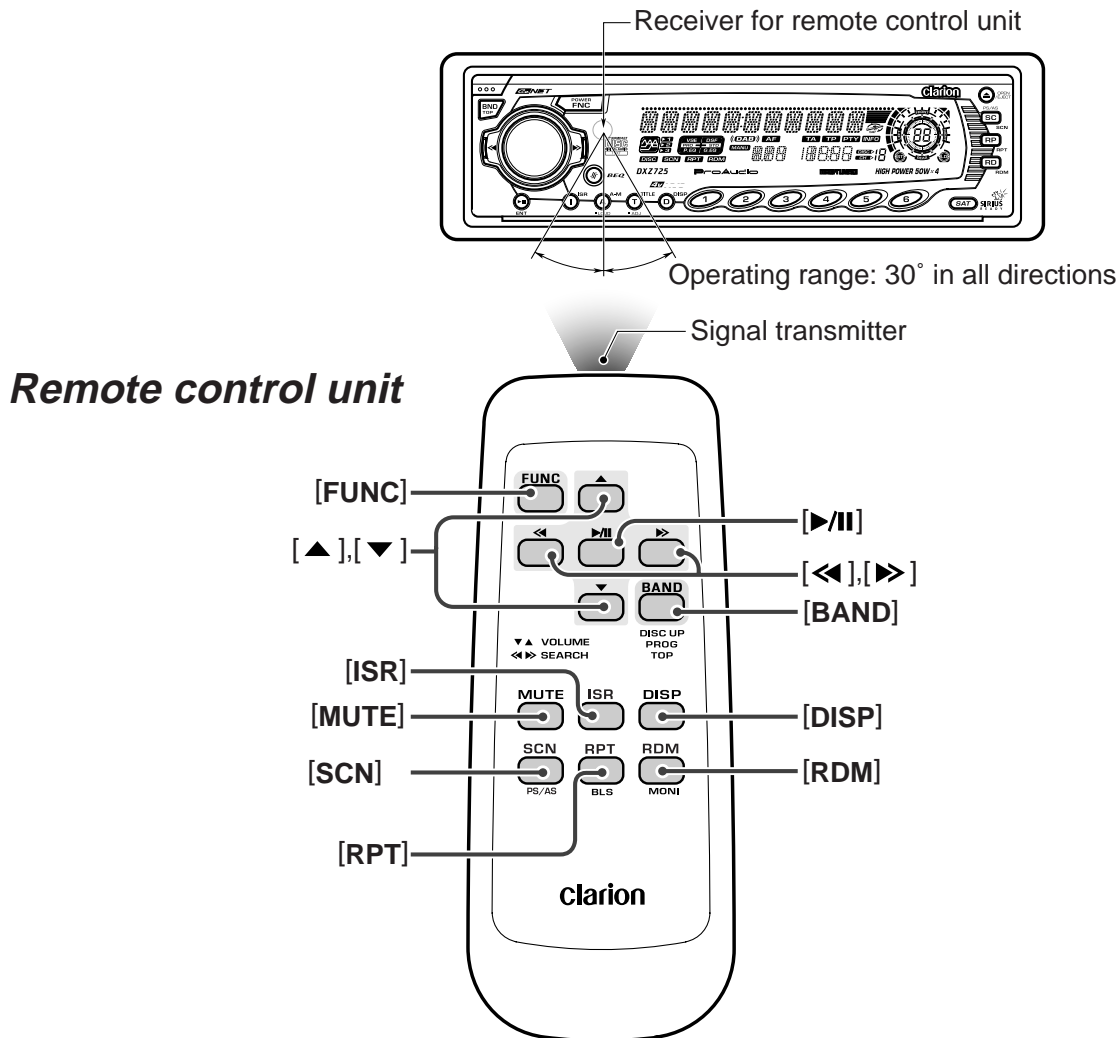   Press [**T**] button to return to the previous mode.

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Display Items

Clock (Clock indication) etc.
(Audio mode, FADER, BALANCE,
etc. indications)

Operation status indication
Titles, PS names, PTYs, Clock, etc.
are displays.

Preset channel indication (1 to 6)
Disc number indication (1 to 12)

SIRIUS indication

Stereo indication

Loudness indication

Function mode indication
• The names of modes being selected,
  etc. are displayed.

📶▶1▶2▶3 : BEQ indication
(BEQ:Beat EQ)

PRO : Professional mode indication

VSE : VSE indication
(VSE:Virtual Space Enhancer)

P.EQ : Parametric egualizer indication

STD : STD mode indication
(STD:Standard)

DSF : DSF indication
(DSF:Digital Sound Field)

G.EQ : Graphic egualizer indication

DISC : Disc indication

SCN : Scan indication

RPT : Repeat indication

RDM : Random indication

((**DAB**)) : DAB indication
• A Digital Radio (DAB) program can be
  received only in Canada.

AF : Alternative frequency indication

TA : Traffic announcement indication

TP : Traffic programme indication

PTY : Programme type indication

INFO : Infomation indication

MANU : Manual indication

LCD Screen

In extreme cold, the screen movement may slow down and the screen may darken, but this is normal.
The screen will recover when it returns to normal temperature.

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5. REMOTE CONTROL

Receiver for remote control unit

Operating range: 30˚ in all directions

Signal transmitter

Remote control unit

[FUNC]

[▲],[▼]

[▶/II]

[◀◀],[▶▶]

[BAND]

▼▲ VOLUME
◀◀ ▶▶ SEARCH

DISC UP
PROG
TOP

[ISR]

[MUTE]

[DISP]

[SCN]

[RDM]

[RPT]

Inserting the Batteries

1. Turn the remote control unit over, then slide the rear cover in the direction of the arrow.

2. Insert the AA (SUM-3, IECR-6/1.5V) batteries that came with the remote control unit facing in the directions shown in the figure, then close the rear cover.

Notes:

Using batteries improperly can cause them to explode. Take note of the following points:

• *When replacing batteries, replace both batteries with new ones.*

• *Do not short-circuit, disassemble or heat batteries.*

• *Do not dispose of batteries into fire or flames.*

• *Dispose of spent batteries properly.*

AA (SUM-3, IECR-6/1.5V) Batteries

Rear cover

Rear side

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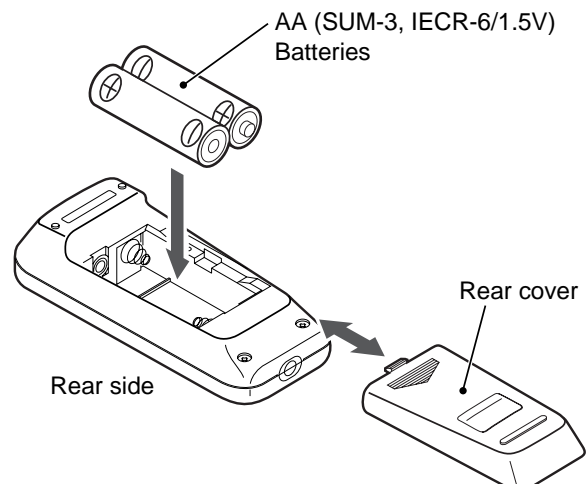
Functions of Remote Control Unit Buttons

Mode / Button	Radio (DAB)	CD	CD/MD changer DVD changer	TV
[**FUNC**]	Switches among radio, DAB, CD, DVD deck, CD/MD changer, DVD changer, TV, and AUX.			
[**BAND**]	Switches reception band.	Plays the first track. Top play.	Moves the next disc in increasing order.	Switches reception band.
[▲] , [▼]	Increases and decreases volume (in all modes).			
[◀◀] , [▶▶]	Moves preset channels up and down.	Moves tracks up and down. When pressed and held for 1 second: Fast-forward/fast-backward.		Moves preset channels up and down.
[▶❚❚]	No function.	Switches between playback and pause.		No function.
[**MUTE**]	Turns mute on and off.			
[**ISR**]	Recalls ISR radio station in memory. Press and hold for 2 seconds or longer: Stores current station into ISR memory (radio mode only). TA on and off(DAB mode)			
[**DISP**]	Switches among main display, clock display.			
[**SCN**]	Preset scan. When pressed and held for 2 seconds: Auto store.	Scan play.	Scan play. When pressed and held for 1 second: Disc scan play.	Preset scan. When pressed and held for 2 seconds: Auto store.
[**RPT**]	AF function on and off. (DAB mode)	Repeat play.	Repeat play. When pressed and held for 1 second: Disc repeat play.	No function.
[**RDM**]	PTY standby mode on and off.(DAB mode)	Random play.	Random play. When pressed and held for 1 second: Disc random play.	Switches between TV and VTR.

∗ Some of the corresponding buttons on the main unit and remote control unit have different functions.
∗ A Digital Radio (DAB) program can be received only in Canada.

6. DCP

The control panel can be detached to prevent theft. When detaching the control panel, store it in the DCP (DETACHABLE CONTROL PANEL) case to prevent scratches.

We recommend taking the DCP with you when leaving the car.

Removing the DCP

1. With the MOTORIZED FACE closed, turn off the power.

2. Press the [**RELEASE**] button to open the DCP.

[**RELEASE**] button
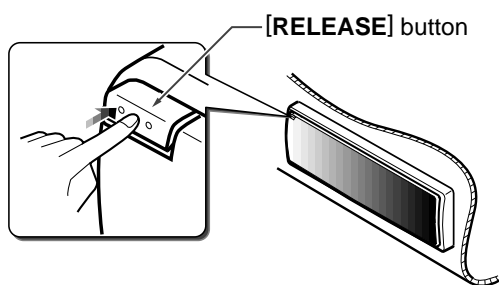
3. Pull the DCP toward you and remove it.

DCP
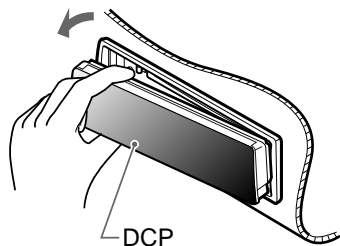
⚠CAUTION

- **Always close the MOTORIZED FACE before removing the DCP.**
- **If you remove the DCP with the MOTOR-IZED FACE open, the sloping console closes immediately. Be careful not to get your fingers caught.**

Attaching the DCP

1. Insert the DCP so that the Ⓐ section on the right side of the DCP catches on the hook Ⓑ on the unit.

DCP

Ⓐ   Ⓑ
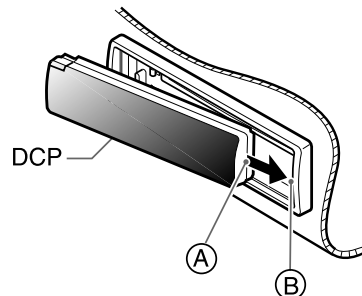
2. Press the left side Ⓒ of the DCP carefully to fit it in place.

Ⓒ

DCP
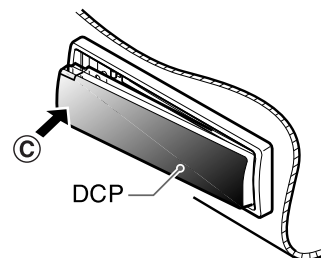
⚠CAUTION

- **Be sure to follow the procedures described in the section "Attaching the DCP" when installing the DCP.**
- **The DCP can easily be damaged by shocks. After removing it, be careful not to drop it or subject it to strong shocks.**
- **If the [RELEASE] button is pressed and the DCP is not locked into place, it may fall out from vibration of the car. This can break the DCP, so after removing it, either install it on the unit or put it in its DCP case.**
- **The connector connecting the unit and the DCP is an extremely important part. Be careful not to damage it by pressing on it with fingernails, screwdrivers, etc.**

Note:
- *If the DCP is dirty, wipe off the dirt with a soft, dry cloth only.*

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7. OPERATIONS

Basic Operations

⚠CAUTION

Be sure to lower the volume before switching off the unit power or the ignition key. The unit remembers its last volume setting. If you switch the power off with the volume up, when you switch the power back on, the sudden loud volume may hurt your hearing and damage the unit.

Turning on/off the power

Note:

- *Be careful about using this unit for a long time without running the engine. If you drain the car's battery too far, you may not be able to start the engine and this can reduce the service life of the battery.*

1. Press the [**FNC**] button.

2. The illumination and display on the unit light up. The unit automatically remembers its last operation mode and will automatically switch to display that mode.

3. Press and hold the [**FNC**] button for 1 second or longer to turn off the power for the unit.

Note:

- *System check*

   *The first time this unit is turned on after the wire connections are completed, it must check what equipment is connected. When the power is turned on, "**SYSTEM CHCK**" and "**PUSH POWER**" appear in the display alternately, so press the [**FNC**] button. The system check starts within the unit. When the system check is complete, the power is turned off, so press the [**FNC**] button again.*

Selecting a mode

1. Press the [**FNC**] button to change the operation mode.

2. Each time you press the [**FNC**] button, the operation mode changes in the following order:

   Radio mode ➔ DAB mode ➔ SIRIUS mode ➔ CD mode ➔ DVD deck mode ➔ CD changer mode ➔ MD changer mode ➔ DVD changer mode ➔ TV mode ➔ AUX mode ➔ Radio mode...

   ∗ External equipment not connected with CeNET is not displayed.

   ∗ A Digital Radio (DAB) program can be received only in Canada.

   ∗ The SIRIUS mode can be also switched using the [**SAT**] button.

Adjusting the volume

1. Press the front part of the knob to adjust. The knob will pop up.

2. Turning the [**ROTARY**] knob clockwise increases the volume; turning it counterclockwise decreases the volume.

   ∗ The volume level is from 0 (minimum) to 33 (maximum).

Switching the display

Press the [**D**] button to select the desired display.

Each time you press the [**D**] button, the display switches in the following order:

Main display

↓

Clock display

↓

Main display

∗ Once selected, the preferred display becomes the display default. When a function adjustment such as volume is made, the screen will momentarily switch to that function's display, then revert back to the preferred display several seconds after the adjustment.

∗ When you have entered a title in a CD/MD, it appears in the main display. If you have not entered a title, "D **NO-TITLE**" or "T **NO-TITLE**" appears in the title display instead. For information on how to enter a title, refer to the subsection "**Entering titles**" in section "**Operations Common to Each Mode** ".

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Setting the Beat EQ

This unit are provided with 5 types of sound tone effects stored in memory. Select the one you prefer.

∗ The factory default setting is "**USER CUSTOM**".

Each time you press the [**BEQ**] button, the tone effect changes in the following order:

"BASS BOOST" ➔ **"IMPACT"** ➔ **"EXCITE"** ➔ **"USER CUSTOM"** ➔ **"TONE BYPASS"** ➔ **"BASS BOOST"** ...

- BASS BOOST : bass emphasized
- IMPACT : bass and treble emphasized
- EXCITE : bass and treble emphasized mid de-emphasized
- USER CUSTOM : user custom
- TONE BYPASS : no sound effect

Adjusting the tone

Press the [**A**] button and select the item to adjust. Each time you press the [**A**] button, the item changes in the following order:

●**When "BASS BOOST" is set**

"NON-FAD VOL" ➔ **"BASS BOOST"** ➔ **"BALANCE"** ➔ **"FADER"** ➔ **Last function mode.**

●**When "IMPACT" is set**

"NON-FAD VOL" ➔ **"IMPACT"** ➔ **"BALANCE"** ➔ **"FADER"** ➔ **Last function mode.**

●**When "EXCITE" is set**

"NON-FAD VOL" ➔ **"EXCITE"** ➔ **"BALANCE"** ➔ **"FADER"** ➔ **Last function mode.**

●**When "USER CUSTOM" is set**

"NON-FAD VOL" ➔ **"BASS <GAIN>"** ➔ **"MID <GAIN>"** ➔ **"TREB<GAIN>"** ➔ **"BALANCE"** ➔ **"FADER"** ➔ **Last function mode.**

●**When "TONE BYPASS" is set**

"NON-FAD VOL" ➔ **"BALANCE"** ➔ **"FADER"** ➔ **Last function mode.**

∗ Pressing the [**BEQ**] button for 1 second or longer while in "**USER CUSTOM**" sets flat, and displays a "**BEQ FLAT**" message.

Note:

- *When the separately-sold digital sound processor (DPH910) is used, the bass and treble tone adjustments cannot be made. To adjust the tone, refer to the section "***DSP Operations***".*

Adjusting the non fader output volume

You can adjust the volume output from the unit's non fader output terminal.

1. Press the [**A**] button and select "**NON-FAD VOL**".

2. Turning the [**ROTARY**] knob clockwise increases the output volume; turning it counterclockwise decreases the output volume.

   ∗ The factory default setting is "**0**". (Setting range: –6 to 6)

3. When the adjustment is complete, press the [**A**] button several times until the function mode is reached.

Adjusting the bass

The bass gain, bass F (center frequency) and bass Q can be adjusted as follows.

1. Press the [**A**] button and select "**BASS <GAIN>**".

2. Press the [**◀◀**] or [**▶▶**] button and select from "**BASS <GAIN>**" ➔ "**BASS <F 50>**" ➔ "**BASS <Q 1>**" ➔ "**BASS <GAIN>**".

3. Turn the [**ROTARY**] knob clockwise or counterclockwise as needed and adjust the gain, the F (center frequency) and the Q.

   BASS GAIN : –6 to 8 (The factory default setting is "**0**")

   BASS F : 50Hz/80Hz/120Hz (The factory default setting is "**50**")

   BASS Q : 1/1.25/1.5/2 (The factory default setting is "**1**")

4. When the adjustment is complete, press the [**A**] button several times until the function mode is reached.

Adjusting the MID

The MID gain, MID F (center frequency) and MID Q can be adjusted as follows.

1. Press the [**A**] button and select "**MID <GAIN>**".

2. Press the [**◀◀**] or [**▶▶**] button and select from "**MID <GAIN>**" ➔ "**MID <F 1k>**" ➔ "**MID <Q 2>**" ➔ "**MID <GAIN>**".

3. Turn the [ROTARY] knob clockwise or counterclockwise as needed and adjust the gain, the F (center frequency) and the Q.

   MID GAIN : –6 to 6 (The factory default setting is "**0**")

MID F :   700Hz/1KHz/2KHz (The fac-
              tory default setting is "**1k**")

MID Q :   1.5/2 (The factory default set-
              ting is "**2**")

4. When the adfustment is complete, press the
   [**A**] button several times until the function
   mode is reached.

Adjusting the TREBLE

The treble gain and treble F (center frequency)
can be adjusted as follows.

1. Press the [**A**] button and select "**TREB
   <GAIN>**".

2. Press the [◀◀] or [▶▶] button and select from
   "**TREB <GAIN>**" ➜ "**TREB <F 12K>**" ➜
   "**TREB <GAIN>**".

3. Turn the [**ROTARY**] knob clockwise or coun-
   terclockwise as needed and adjust the gain
   and the F (center frequency).

   TREB GAIN : –6 to 6 (The factory default
                setting is "**0**")

   TREB F :   8KHz/12KHz (The Factory
                default setting is "**12K**")

4. When the adjustment is complete, press the
   [**A**] button several times until the function
   mode is reached.

Adjusting the balance

1. Press the [**A**] button and select "**BALANCE**".

2. Turning the [**ROTARY**] knob clockwise em-
   phasizes the sound from the right speaker;
   turning it counterclockwise emphasizes the
   sound from the left speaker.

   ∗ The factory default setting is "**0**". (Adjustment
     range: L13 to R13)

3. When the adjustment is complete, press the
   [**A**] button several times until the function
   mode is reached.

Adjusting the fader

1. Press the [**A**] button and select "**FADER**".

2. Turning the [**ROTARY**] knob clockwise em-
   phasizes the sound from the front speakers;
   turning it counterclockwise emphasizes the
   sound from the rear speakers.

   ∗ The factory default setting is "**0**". (Adjustment
     range: F12 to R12)

3. When the adjustment is complete, press the
   [**A**] button several times until the function
   mode is reached.

Adjusting the Beat EQ

1. Press the [**BEQ**] button and select the Beat
   EQ mode (1 to 3) to adjust.

2. Press the [**A**] button and select "**BASS
   BOOST or IMPACT or EXCITE**".

3. Turning the [**ROTARY**] knob clockwise ad-
   justs in the + direction; turning it counter-
   clockwise adjusts in the – direction.

   ∗ When BASS BOOST is selected, you can ad-
     just the bass in the range of –3 to 3.

   ∗ When IMPACT and EXCITE is selected, you
     can adjust the bass and treble in the range of
     –3 to 3.

4. When the adjustment is complete, press the
   [**A**] button several times until the function
   mode is reached.

Turning on/off the loudness

The loudness effect emphasizes the bass to
create a natural sound tone. When you are lis-
tening to music at a low volume, it is recom-
mended to use the loudness effect.

1. Press and hold the [**A**] button for 1 second or
   longer to turn on the loudness effect. When
   the loudness effect is turned on, "**LD**" lights
   in the display.

2. Press and hold the [**A**] button for 1 second or
   longer to turn off the loudness effect. "**LD**"
   goes off in the display.

Note:

• *When using a sold separately digital sound pro-
cessor (DPH910), a feature called auto loudness
is selected. This function is different from the
loudness effect. For further details on the auto
loudness feature, refer to the subsection "**Output
adjustment of auto loudness, subwoofer and
playback band**" in section "**DSP Operations**".*

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Radio Operations

FM reception

For enhanced FM performance the **MAGI-TUNE⊕®** tuner includes signal actuated stereo control, Enhanced Multi AGC, Impulse noise reduction curcuits and Multipath noise reduction circuits.

Changing the reception area

This unit is initially set to USA frequency intervals of 10kHz for AM and 200kHz for FM. When using it outside the USA, the frequency reception range can be switched to the intervals below.

● **Setting the reception area**

1. Press the [**BND**] button and select the desired radio band (FM or AM).

2. While pressing the [**D**] button, each time you press and hold the number "**6**" of the [**DIRECT**] buttons for 2 seconds or longer, the reception area switches from inside the USA to outside the USA or from outside the USA to inside the USA.

   ∗ Any station preset memories are lost when the reception area is changed.

Listening to the radio

1. Press the [**FNC**] button and select the radio mode. The frequency or PS appears in the display.

   ∗ PS: Programme service name

   ∗ A Digital Radio (DAB) program can be received only in Canada.

2. Press the [**BND**] button and select the radio band. Each time the button is pressed, the radio reception band changes in the following order:

   FM1 ➜ FM2 ➜ FM3 ➜ AM ➜ FM1...

3. Press the [◀◀] or [▶▶] button to tune in the desired station.

Tuning

There are 3 types of tuning mode available, seek tuning, manual tuning and preset tuning.

Seek tuning

1. Press the [**BND**] button and select the desired band (FM or AM).

   ∗ If "**MANU**" is lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" in the display goes off and seek tuning is now available.

2. Press the [◀◀] or [▶▶] button to automatically seek a station.

   When the [▶▶] button is pressed, the station is sought in the direction of higher frequencies; if the [◀◀] button is pressed, the station is sought in the direction of lower frequencies.

Manual tuning

There are 2 ways available: Quick tuning and step tuning.

When you are in the step tuning mode, the frequency changes one step at a time. In the quick tuning mode, you can quickly tune the desired frequency.

1. Press the [**BND**] button and select the desired band (FM or AM).

   ∗ If "**MANU**" is not lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" is lit in the display and manual tuning is now available.

2. Tune into a station.

● **Quick tuning:**

   Press and hold the [◀◀] or [▶▶] button for 1 second or longer to tune in a station.

● **Step tuning:**

   Press the [◀◀] or [▶▶] button to manually tune in a station.

Recalling a preset station

A total of 24 preset positions (6-FM1, 6-FM2, 6-FM3, 6-AM) exists to store individual radio stations in memory. Pressing the corresponding [**DIRECT**] button recalls the stored radio frequency automatically.

1. Press the [**BND**] button and select the desired band (FM or AM).

2. Press the corresponding [**DIRECT**] button to recall the stored station.

   ∗ Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store that station into preset memory.

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Manual memory

1. Select the desired station with seek tuning, manual tuning or preset tuning.

2. Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the current station into preset memory.

Auto store

Auto store is a function for storing up to 6 stations that are automatically tuned in sequentially. If 6 receivable stations cannot be received, a previously stored station remains unoverwritten at the memory position.

1. Press the [**BND**] button and select the desired band (FM or AM).

2. Press and hold the [**SC**] button for 2 seconds or longer. The stations with good reception are stored automatically to the preset channels.

   ∗ If auto store is performed in the FM bands, the stations are stored in FM3 even if FM1 or FM2 was chosen for storing stations.

Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press the [**SC**] button.

2. When a desired station is tuned in, press the [**SC**] button again to continue receiving that station.

Note:
* *Be careful not to press and hold the [**SC**] button for 2 seconds or longer, otherwise the auto store function is engaged and the unit starts storing stations.*

Instant station recall (ISR)

Instant station recall is a special radio preset that instantly accesses a favorite radio station at a touch of a button. The ISR function even operates with the unit in other modes.

● **ISR memory**

1. Select the station that you wish to store in ISR memory.

2. Press and hold the [**I**] button for 2 seconds or longer.

● **Recalling a station with ISR**

In any mode, press the [**I**] button to turn on the radio function and tune the selected radio station. "**ISR**" appears in the display. Press the [**I**] button again to return to the previous mode.

CD Operations

Loading a CD

1. Press the [⏏] button. The MOTORIZED FACE opens.

⚠ CAUTION

Be careful not to get your fingers caught when opening and closing the MOTORIZED FACE.

2. Insert a CD into the center of the insertion slot with the label side facing up. The CD plays automatically after loading.

Notes:
* *Never insert foreign objects into the CD insertion slot.*
* *If the CD is not inserted easily, there may be another CD in the mechanism or the unit may require service.*
* *Discs not bearing the [disc logo] or [disc logo] mark and CD-ROMs cannot be played by this unit.*

Loading 8 cm compact discs

∗ No adapter is required to play an 8 cm CD.

∗ Insert the 8 cm CD into the centre of the insertion slot.

3. After loading a CD, the MOTORIZED FACE closes automatically.

Notes:
* *Note that MOTORIZED FACE closes immediately after a CD is inserted into CD insertion slot.*
* *If no CD is loaded in the MOTORIZED FACE, it closes after 30 seconds.*

Listening to a CD already inserted

Press the [**FNC**] button to select the CD mode. Play starts automatically. If no CD is loaded in the unit, "**NO DISC**" appears in the display.

Pausing play

1. Press the [▶❚❚] button to pause play. "**PAUSE**" appears in the display.

2. To resume CD play, press the [▶❚❚] button again.

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Ejecting a CD

1. Press the [⏏] button. The MOTORIZED FACE opens and a CD ejects. "**EJECT**" appears in the display.

⚠CAUTION

Be careful not to get your fingers caught when opening and closing the MOTORIZED FACE.

2. Remove the CD and press the [⏏] button to close the MOTORIZED FACE.

Notes:
- *Be sure to close the MOTORIZED FACE after removing the CD.*
- *The MOTORIZED FACE closes automatically 30 seconds after removing the CD.*
* If a CD (12 cm) is left in the ejected position for 15 seconds, the CD is automatically reloaded. (Auto reload)
* 8 cm CDs are not auto reloaded. Be sure to remove it when ejected.

Note:
- *If you force a CD into before auto reloading, this can damage the CD.*

Selecting a track
●**Track-up**

1. Press the [▶▶] button to move ahead to the beginning of the next track.
2. Each time you press the [▶▶] button, the track advances ahead to the beginning of the next track.

●**Track-down**

1. Press the [◀◀] button to move back to the beginning of the current track.
2. Press the [◀◀] button twice to move to the beginning of the previous track.

Fast-forward/fast-backward
●**Fast-forward**

Press and hold the [▶▶] button for 1 second or longer.

●**Fast-backward**

Press and hold the [◀◀] button for 1 second or longer.

Top function

The top function resets the CD player to the first track of the disc. Press the [**BND**] button to play the first track (track No. 1) on the disc.

Scan play

The scan play locates and plays the first 10 seconds of each track on a disc automatically. This function continues on the disc until it is cancelled.

* The scan play is useful when you want to select a desired track.
1. Press the [**SC**] button to start scan play. "**SCN**" lights in the display.
2. To cancel the scan play, press the [**SC**] button again. "**SCN**" goes off from the display and the current track continues to play.

Repeat play

The repeat play continuously plays the current track. This function continues automatically until it is cancelled.
1. Press the [**RP**] button. "**RPT**" lights in the display and the current track is repeated.
2. To cancel the repeat play, press the [**RP**] button again. "**RPT**" goes off from the display and normal play resumes.

Random play

The random play selects and plays individual tracks on a disc in no particular order. This function continues automatically until it is cancelled.
1. Press the [**RD**] button. "**RDM**" lights in the display, an individual track is selected randomly and play begins.
2. To cancel the random play, press the [**RD**] button again. "**RDM**" goes off and normal play resumes.

Operations Common to Each Mode

Entering titles

Titles up to 10 characters long can be stored in memory and displayed for CD, CD changer and TV stations. The number of titles that can be entered for each mode are as follows.

Mode	Number of titles
CD mode	50 titles
TV mode	15 titles

CD changer mode	Number of titles
DCZ625 connected	100 titles
CDC1255z connected	50 titles

1. Press the [**FNC**] button to select the mode you want to enter a title (CD, CD changer or TV).
2. Select and play a CD in the CD changer or tune in to a TV station for which you want to enter the title.
3. Press the [**D**] button and display the main.
4. Press the [**T**] button. "**TTL**" appears in the display and the cursor position flashes.
5. Press the [◄◄] or [►►] button to move the cursor.
6. Press the [**D**] button to select a character. Each time you press the [**D**] button, the character changes in the following order:

   Capital letters ➜ Numbers ➜ Symbols ➜ Umlaut ➜ Capital letters...
7. Turn the [**ROTARY**] knob to select the desired character. Turning the [**ROTARY**] knob clockwise moves the cursor to the next character; turning it counterclockwise moves the cursor to the previous character.
8. Repeat steps 5 to 7 to enter up to 10 characters for the title.
9. Press and hold the [►❚❚] button for 2 seconds or longer to store the title into memory and cancel title input mode.

Clearing titles

1. Select and play a CD in the CD changer or tune in to a TV station for which you want to clear the title.
2. Press the [**D**] button and display the main.
3. Press the [**T**] button. "**TTL**" appears in the display and the display switches to the title input display.
4. Press the [**BND**] button.

5. Press and hold the [►❚❚] button for 2 seconds or longer to clear the title and cancel title input mode.

Turning the external output adjustment display on/off

When not using the external output, you can turn off the "**NON-FADER**" display.

∗ The factory default setting is "**ON**".

∗ Even if the level adjustment display is set to "**OFF**", signals can be output from the external output.

1. Press and hold [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [◄◄] or [►►] button to select "**NON-FADER**".
3. Turn the [**ROTARY**] knob clockwise to set "**ON**" or counterclockwise to set "**OFF**".

   ● **ON:**

   When you press the [**A**] button, the "**NON-FAD VOL**" item is displayed.

   ∗ The output level can be adjusted.

   ● **OFF:**

   Even when you press [**A**] button, the "**NON-FAD VOL**" item is not displayed.

   ∗ The output level cannot be adjusted.
4. Press [**T**] button to return to the previous mode.

Hi / Lo dimmer control

You can adjust the reduced illumination level of the dimmer.

∗ The factory default setting is "**ON**".

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [◄◄] or [►►] button to select "**DIMMER**".
3. Turn the [**ROTARY**] knob clockwise to "**ON**" or counterclockwise to "**OFF**".
4. Press the [**T**] button to return to the previous mode.

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Setting the method for Ttitle scroll

Set how to scroll in CD-TEXT or MD.

∗ The factory default setting is "**ON**".

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [◀◀] or [▶▶] button and select "**AUTO SCROLL**".
3. Turn the [**ROTARY**] knob clockwise or counterclockwise and select "**ON**" or "**OFF**".

   ● **ON:**

   To scroll automatically.

   ● **OFF:**

   To scroll just 1 time when the title was changed or the title key was pressed.
4. Press the [**T**] button to return the previous mode.

Message display

When the unit is powered on or off, a message is displayed. The user can turn this message display ON or OFF.

∗ The factory default setting is "**ON**".

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [◀◀] or [▶▶] button to select "**MESSAGE**".
3. Turn the [**ROTARY**] knob clockwise or counterclockwise to set the message display ON or OFF.
4. Press the [**T**] button to return to the previous mode.

AUX function

This system has an external input jack so you can listen to sounds and music from external devices connected to this unit.

Selecting AUX IN sensitivity

Make the following settings to select the sensitivity when sounds from external devices connected to this unit are difficult to hear even after adjusting the volume.

∗ The factory default setting is "**SENS MID**".

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.

2. Press the [◀◀] or [▶▶] button and select "**AUX SENS**".
3. Turn the [**ROTARY**] knob clockwise or counterclockwise as needed and select from "**SENS HIGH**", "**SENS MID**" or "**SENS LOW**".
4. Press the [**T**] button to return to the previous mode.

Setting the clock

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [◀◀] or [▶▶] button to select "**CLOCK**".
3. Press the [▶❙❙] button.
4. Press the [◀◀] or [▶▶] button to select the hour or the minute.
5. Turn the [**ROTARY**] knob clockwise or counterclockwise to set the correct time.

   ∗ The clock is displayed in 12-hour format.
6. Press the [▶❙❙] button to store the time into memory.
7. Press the [**T**] button to return to the previous mode.

Note:
• *You cannot set the clock when it is displayed with only the ignition on. If you drain or remove the car's battery or take out this unit, the clock is re-set. While setting the clock, if another button or operation is selected, the clock set mode is canceled.*

Turning the screen saver function on or off

This unit is provided with the screen saver function which allows you to show various kinds of patterns and characters in the Operation Status indication area of the display in a random order. You can turn on and off this function.

If the button operation is performed with the screen saver function on, the operation display corresponding to the button operation is shown for about 30 seconds and the display returns to the screen saver display.

∗ The factory default setting is "**ON**".

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [◀◀] or [▶▶] button and select "**AUTO SS**".

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3. Turn the [**ROTARY**] knob clockwise or counterclockwise to select "**AUTO SS ON**" or "**AUTO SS OFF**".

4. Press the [**T**] button to return to the previous mode.

   ∗ The following illustration presents one of the patterns which are shown when the screen saver function is turned on.
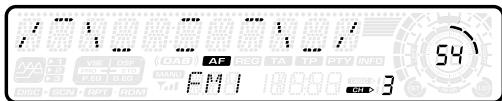
Triggered audio mute for cellular telepones

This unit requires special wiring to mute the audio signal automatically when a cellular telephone rings in the car.

∗ This function is not compatible wiht all cellular telepones Contact your local authorized Clarion dealer for information on proper installation and compatibility.

8. OPERATIONS OF ACCESSORIES

CD/MD Changer Operations

CD/MD changer functions

When an optional CD/MD changer is connected through the CeNET cable, this unit controls all CD/MD changer functions. This unit can control a total of 2 changers (MD and/or CD).

Press the [**FNC**] button and select the CD(MD) changer mode to start play. If 2 CD(MD) changers are connected, press the [**FNC**] button to select the CD(MD) changer for play.

∗ If "**NO MAGAZINE**" appears in the display, insert the magazine into the CD changer. "**DISC CHECK**" appears in the display while the player loads (checks) the magazine.

∗ If "**NO DISC**" appears in the display, eject the magazine and insert discs into each slot. Then, reinsert the magazine back into the CD changer.

∗ If "**NO DISC**" appears in the display, load MDs into the MD changer.

⚠CAUTION

CD-ROM discs cannot be played in the CD changer.

Pausing play

1. Press the [▶❚❚] button to pause play. "**PAUSE**" appears in the display.

2. To resume play, press the [▶❚❚] button again.

Displaying CD titles

This unit can display title data for CD-text CDs and user titles input with this unit.

1. Press the [**D**] button to display the title.

2. Each time you press and hold the [**D**] button for 1 second or longer, the title display changes in the following order:

   User title (disc) ➜ CD-text title (disc) ➜ Artist name ➜ CD-text title (track) ➜ user title (disc)...

Note:
• *If the CD playing is not a CD-text CD or no user title has been input, "NO-TITLE" appears in the display.*

● **Scrolling a CD-text title**

When a CD-text title is longer than 11 characters, you can scroll the display as follows.

1. Display the CD-text title (disc or track).

2. Press the [**T**] button. The title scrolls.

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Switching disc titles and track titles(MD)

This unit can display disc titles and track titles already entered on MDs. Titles up to 128 characters long can be displayed by scrolling the titles.

∗ Titles cannot be entered for MDs with this unit.

1. Press the [**D**] button to display the title. The disc title or track title is displayed.

2. Each time you press and hold the [**D**] button for 1 second or longer, the display toggles between the disc title and the track title.

● **Scrolling titles**

When a title is longer than 11 characters, you can scroll through it with the following operation.

1. Display the MD title (disc or track).

2. Press the [**T**] button.

   The display scrolls through the title.

Selecting a CD

Each [**DIRECT**] button corresponds to a disc loaded into the magazine.

● **Selecting a disc from 1 to 6**

Press the corresponding [**DIRECT**] button (1 to 6) to select the desired disc.

● **Selecting a disc from 7 to 12 (only when a 12 disc CD changer is used.)**

Press and hold the [**DIRECT**] button (1 to 6) for 1 second or longer to select the desired disc.

∗ If a CD is not loaded in a slot of magazine, pressing the [**DIRECT**] button corresponding to its disc number is invalid.

Selecting an MD

Each [**DIRECT**] button corresponds to an MD loaded into the MD changer. Press the corresponding [**DIRECT**] button (1 to 6) to select the desired disc.

∗ If an MD is not loaded in a slot of MD changer, pressing the [**DIRECT**] button corresponding to its disc number is invalid.

Selecting a track

● Track-up

1. Press the [▶▶] button to move ahead to the beginning of the next track.

2. Each time you press the [▶▶] button, the track advances ahead to the beginning of the next track.

● Track-down

1. Press the [◀◀] button to move back to the beginning of the current track.

2. Press the [◀◀] button twice to move to the beginning of the previous track.

Fast-forward/fast-backward

● Fast-forward

Press and hold the [▶▶] button for 1 second or longer.

● Fast-backward

Press and hold the [◀◀] button for 1 second or longer.

Top function(CD)

The top function plays from the first track (track No. 1) of the disc.

● When playing a disc 1 to 6

Press the [**DIRECT**] button (1 to 6) with the same number as the CD playing.

● When playing a disc 7 to 12 (only when a 12 disc CD changer is used.)

Press and hold for 1 second or longer the [**DI-RECT**] button (1 to 6) with the same number as the CD playing.

∗ If a CD is not loaded in a slot of magazine, pressing the [**DIRECT**] button corresponding to its disc number is invalid.

Top function(MD)

The top function plays from the first track (track No. 1) of the disc. Press the [**DIRECT**] button (1 to 6) with the same number as the MD playing.

∗ If an MD is not loaded in a slot of MD changer, pressing the [**DIRECT**] button corresponding to its disc number is invalid.

Scan play

Scan play locates and plays the first 10 seconds of each track on a disc automatically. This function continues on the disc until it is cancelled.

∗ The scan play is useful when you want to select a desired track.

1. Press the [**SC**] button to start track scanning. "**SCN**" lights in the display.

2. To cancel the scan play, press the [**SC**] button again. "**SCN**" goes off from the display and the current track continues to play.

Disc scan play

Disc scan play locates and plays the first 10 seconds of the first track on each disc in the currently selected CD (MD) changer. This function continues automatically until it is cancelled.

∗ Disc scan play is useful when you want to select a desired CD (MD).

1. Press and hold the [**SC**] button for 1 second or longer. "**DISC**" and "**SCN**" light in the display and disc scan play starts.

2. To cancel disc scan play, press the [**SC**] button again. "**DISC**" and "**SCN**" go off from the display and the current track continues to play.

Repeat play

Repeat play continuously plays the current track. This function continues automatically until it is cancelled.

1. Press the [**RP**] button. "**RPT**" lights in the display and the current track is repeated.

2. To cancel repeat play, press the [**RP**] button again. "**RPT**" goes off from the display and normal play resumes.

Disc repeat play

After all the tracks on the current disc have been played, disc repeat play automatically replays the current disc over from the first track. This function continues automatically until it is cancelled.

1. Press and hold the [**RP**] button for 1 second or longer. "**DISC**" and "**RPT**" light in the display and disc repeat play starts.

2. To cancel disc repeat play, press and hold the [**RP**] button again. "**DISC**" and "**RPT**" go off from the display and normal play resumes on the current track.

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CD/MD Changer Operations

Random play

Random play selects and plays individual tracks on the disc in no particular order. This function continues automatically until it is cancelled.

1. Press the [**RD**] button. "**RDM**" lights in the display and random play begins.

2. To cancel random play, press the [**RD**] button again. "**RDM**" goes off from the display and normal play resumes.

Disc random play

The disc random play selects and plays individual tracks or discs automatically in no particular order. This function continues automatically until it is cancelled.

1. Press and hold the [**RD**] button for 1 second or longer. "**DISC**" and "**RDM**" light in the display and disc random play starts.

2. To cancel disc random play, press and hold the [**RD**] button again. "**DISC**" and "**RDM**" go off from the display and normal play resumes from the current track.

TV Operations

TV tuner functions

When an optional TV tuner is connected through the CeNET cable, this unit controls all TV tuner functions. To watch TV requires a TV tuner and monitor.

Watching a TV

1. Press the [**FNC**] button and select the TV mode.

2. Press the [**BND**] button to select the desired TV band (TV1 or TV2). Each time the button is pressed, the input selection toggles between TV1 and TV2.

3. Press the [◀◀] or [▶▶] button to tune in the desired TV station.

Watching a video

The TV tuner has a VTR input terminal to which 1 external device can be connected. Connect a 12 V video cassette player (VCP) or video cassette recorder (VCR) to the TV tuner input terminal.

1. Press the [**RD**] button to select VTR.

2. To return to the TV broadcast, press the [**RD**] button.

Tuning

There are 3 types of tuning mode available, Seek tuning, manual tuning and preset tuning.

Seek tuning

1. Press the [**BND**] button and select the desired TV band (TV1 or TV2).

   ∗ If "**MANU**" is lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" in the display goes off and seek tuning is now available.

2. Press the [◀◀] or [▶▶] button to automatically seek a station.

   Press the [▶▶] button to automatically tune up the frequency band to the next available TV station; press the [◀◀] button to automatically tune down.

Manual tuning

There are 2 ways available: Quick tuning and step tuning.

When you are in the step tuning mode, the frequency changes one step at a time. In the quick tuning mode, you can quickly tune the desired frequency.

1. Press the [**BND**] button and select the desired band (TV1 or TV2).
   * If "**MANU**" is not lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" lights in the display and manual tuning is now available.
2. Tune into a station.

● **Quick tuning:**

Press and hold the [◀◀] or [▶▶] button for 1 second or longer to tune in a station.

● **Step tuning:**

Press the [◀◀] or [▶▶] button to manually tune in a station.

Recalling a preset station

A total of 12 TV stations can be stored (6-TV1 and 6-TV2). This allows you to select your favorite TV stations and store them in memory for later recall.

1. Press the [**BND**] button and select the desired TV band (TV1 or TV2).
2. To recall a stored TV station, press the desired [**DIRECT**] button to select that station.
   * Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the current station into preset memory.

Manual memory

1. Select the desired station with seek tuning, manual tuning or preset tuning.
2. Press and hold one of [**DIRECT**] buttons for 2 seconds or longer to store the current station into preset memory.

Auto store

Auto store selects 6 TV stations automatically and stores each one into preset memory.

If there are not 6 stations with good reception, stations previously stored in memory remain and only the strong stations are stored into memory.

1. Press the [**BND**] button and select the desired TV band (TV1 or TV2).
2. Press and hold the [**SC**] button for 2 seconds or longer. The stations with good reception are stored automatically to the preset channels.

Preset scan

Preset scan allows the user to view each preset position before it automatically advances to the next preset. This function is useful for searching for a desired TV station in memory.

1. Press the [**SC**] button.
2. When the desired station is found, press the [**SC**] button again to remain tuned to that station.

Note:
• *Do not press and hold the [**SC**] button for 2 seconds or longer. Doing so will trigger the auto store function and start storing stations into memory.*

Setting the TV diver

You can change the reception setting for the TV antenna connected to the TV tuner.

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [◀◀] or [▶▶] button to select "**TV DIVER**".
3. Turn the [**ROTARY**] knob clockwise to set to "**ON**" or counterclockwise to set to "**OFF**".

   ● **ON:**

   Sets reception emphasizing the visual.

   ● **OFF:**

   Sets the diver setting to OFF.
4. Press the [**T**] button to return to the previous mode.

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DSP Operations

DSP control function

If the DSP (DPH910), sold separately, is connected to this unit using the CeNET cable, all the functions of the DSP can be controlled.

DSF functions

There are 2 modes available in DPH910, STD mode and professional mode. Choose one of them and adjust the sound field and the sound quality.

∗ STD mode: Standard mode

● **Functions common to each mode:**

Auto loudness, etc.

● **Standard mode:**

Adjustment using the graphic equalizer function and the DSF function.

● **Professional mode:**

Adjustment using the VSE function and the parametric equalizer function.

∗ When the STD mode is selected, adjustment for the professional mode cannot be made. On the contrary, when the professional mode is selected, adjustment for the STD mode cannot be made.

∗ **For details on functions of each mode, refer to the owner's manual supplied with the DPH910.**

∗ Hereafter the graphic equalizer is referred to as a G.EQ, the space equalizer referred to as VSE and the parametric equalizer referred to as P.EQ.

Operations common to each mode

Output adjustment of auto loudness, subwoofer and playback band

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [◀◀] or [▶▶] button to select "**SOUND**".
3. Press the [▶❚❚] button.
4. Press the [◀◀] or [▶▶] button to select the adjustment item.

   There are "**A-LD LEVEL**", "**WOOFER OUT**", "**WOOFER LPF**", "**HPF**" and "**TEST TONE**" available for the adjustment items.

   ∗ For details on each adjustment item, refer to the owner's manual supplied with the DPH910.

5. Turn the [**ROTARY**] knob clockwise or counterclockwise to make the adjustment.

6. Pressing the [▶❚❚] button returns to the adjustment selection display.
7. Press the [**T**] button to return to the previous mode.

Selecting the easy mode or the professional mode

∗ The factory default setting is "**STD**".

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [◀◀] or [▶▶] button to select "**AC-P SEL**".
3. Turn the [**ROTARY**] knob clockwise or counterclockwise to set the mode to "**STD**" or "**PRO**".
4. Press the [**T**] button to return to the previous mode.

Entering titles

You can give a title to the user memory of the DSF, G.EQ, VSE and P.EQ that you have adjusted yourself.

1. Press the [**A**] button to select the adjustment mode in which you want to give a title.
2. Press the [**BND**] button to select "**USR**". "**USR**" will be displayed in the function mode indication.
3. Press one of the [**DIRECT**] buttons to select the user memory to which you want to give a title.
4. Press the [**T**] button.
5. Press the [◀◀] or [▶▶] button to move the cursor.
6. Press the [**D**] button to select the character fonts.

   There are capital letters, small letters, numbers, symbols and umlaut available for the character.

7. Turn the [**ROTARY**] knob clockwise or counterclockwise to select the character you want to input.
8. Repeat steps 5 to 7 to input the title.
9. Press and hold the [▶❚❚] button for 2 seconds or longer to put the title into memory. The title input mode is cancelled.

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STD mode/G.EQ operations

Note:
* *The adjustment made in standard mode is not re-flected in the adjustment in professional mode. On the contrary, the adjustment made in profes-sional mode is not reflected in the adjustment in easy mode.*

G.EQ effect ON/OFF

While the "**G.EQ**" indication is lit in the display, the G.EQ effect is set to "**ON**".

∗ The factory default setting is "**ON**".

1. Press the [**A**] button and select "**G.EQ**". While "**G.EQ**" is selected, "**G.EQ**" blinks in the display.

2. Press the [**D**] button. "**G.EQ**" in the display lit or unlit.

   ∗ When "**G.EQ**" is unlit, the G.EQ effect is set to OFF.

Note:
* *If the G.EQ effect is set to OFF, the adjustment made in "**G.EQ operations**" is not reflected in the music source.*

Selecting a G.EQ menu

1. Press the [**A**] button and select "**G.EQ**".

2. Press the [**BND**] button to select "**BASC**" (ba-sic). "**BASC**" is displayed in the function mode indication.

3. Press one of the [**DIRECT**] buttons and se-lect the desired G.EQ menu.

   ∗ To select the user memory, press the [**BND**] button to select "**USR**" and press one of the [**DIRECT**] buttons.

Editing/storing a G.EQ menu (User memory)

1. Select a G.EQ menu which you want to edit on the basis of.

2. Press and hold the [**T**] button for 1 second or longer.

3. Press the [◀◀] or [▶▶] button to select the frequency to be adjusted.

   There are 50Hz, 100Hz, 200Hz, 400Hz, 1kHz, 3kHz and 12kHz available for the ad-justment frequency.

   ∗ For details on each adjustment item, refer to the owner's manual supplied with the DPH910.

4. Turn the [**ROTARY**] knob clockwise or counterclockwise to make the adjustment. The adjustment range is from –6 to 6.

5. Repeat steps 3 to 4 to complete the adjust-ment and press the [**T**] button.

6. Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the edited contents.

   ∗ You can give a title to the user memory. For the inputting method of titles, refer to the sub-section "**Entering titles**" in section "**Opera-tions common to each mode**".

STD mode/DSF operations

DSF effect ON/OFF

When the "**DSF**" indication is lit in the display, the DSP effect is set to "**ON**".

∗ The factory default setting is "**ON**".

1. Press the [**A**] button and select "**DSF**".

2. Press the [**D**] button. "**DSF**" in the display lit or unlit.

   ∗ When "**DSF**" is unlit, the DSF effect is set to OFF.

Note:
* *If the DSF effect is set to OFF, the adjustment made in "**DSF operations**" is not reflected in the music source.*

Setting the listening position menu

1. Press the [**A**] button and select "**DSF**".

2. Press the [◀◀] or [▶▶] button to set the lis-tening position type.

   There are FULL SEAT, FRONT-R, FRONT-L, FRONT (only front seats), REAR (only rear seats) and PASS available for the listening position types.

   ∗ The factory default setting is "**FULL SEAT**".

Making fine adjustment of the listening position

1. Upon completion of setting the listening posi-tion, press the [▶ I I] button.

2. Press the [◀◀] or [▶▶] button to select "**BAL-ANCE**" or "**FADER**". The selected item blinks.

3. Turn the [**ROTARY**] knob clockwise or counterclockwise to adjust the balance and the fader.

4. Press the [▶ I I] button to return to the DSF mode.

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Selecting a sound field menu

1. Press the [**A**] button and select "**DSF**". "**DSF**" blinks in the display.
2. Press the [**BND**] button to select "**BSC1**" (basic-1) or "**BSC2**" (basic-2). "**BSC1**" or "**BSC2**" is displayed in the function mode indication in the display.
3. Press one of the [**DIRECT**] buttons and select the desired sound field menu.
   * To select the user memory, press the [**BND**] button to select "**USR**" and press one of the [**DIRECT**] buttons.

Editing/storing a sound field menu (User memory)

1. Select a sound field menu which you want to edit on the basis of.
2. Press and hold the [**T**] button for 1 second or longer.
3. Press the [◀◀] or [▶▶] button to select the item to be adjusted.
   There are "**EFFECT**", "**DELAY**", "**REAR MIX**", "**REV.TIME**" or "**ROOM SIZE**" and "**HIGH**" or "**LIVENESS**" available for the items to be adjusted.
   * For details on each adjustment item, refer to the owner's manual supplied with the DPH910.
4. Turn the [**ROTARY**] knob clockwise or counterclockwise to make the adjustment.
5. Repeat steps 3 to 4 to complete the adjustment and press the [**T**] button.
6. Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the edited contents.
   * You can give a title to the user memory. For the inputting method of titles, refer to the sub-section "**Entering titles**" in section "**Operations common to each mode**".

Professional mode/VSE operations

Note:
• The adjustment made in professional mode is not reflected in the adjustment in standard mode. On the contrary, the adjustment made in standard mode is not reflected in the adjustment in professional mode.

VSE effect ON/OFF

While the "**VSE**" indication is lit in the display, the VSE effect is set to "**ON**".
* The factory default setting is "**ON**".
1. Press the [**A**] button and select "**VSE**".
2. Press the [**D**] button. "**VSE**" in the display lit or unlit.
   * When "**VSE**" is unlit, the VSE effect is set to OFF.

Note:
• If the VSE effect is set to OFF, the adjustment made in "**VSE operations**" is not reflected in the music source.

Selecting an VSE menu

1. Press the [**A**] button and select "**VSE**".
2. Press the [**BND**] button to select "**BASC**" (basic). "**BASC**" is displayed in the function mode indication in the display.
3. Press one of the [**DIRECT**] buttons and select the desired VSE menu.
   * To select the user memory, press the [**BND**] button to select "**USR**" and press one of the [**DIRECT**] buttons.

Editing/storing an VSE menu (User memory)

1. Select an VSE menu which you want to edit on the basis of.
2. Press and hold the [**T**] button for 1 second or longer.
3. Press the [◀◀] or [▶▶] button to select the item to be adjusted.
   There are "**DIFFUSE**", "**CAR WIDTH**" and "**CAR LENG**" available for the items to be adjusted.
   * For details on each adjustment item, refer to the owner's manual supplied with the DPH910.
4. Turn the [**ROTARY**] knob clockwise or counterclockwise to make the adjustment. The adjustment range is from 1 to 10 for each item.
5. Repeat steps 3 to 4 to complete the adjustment and press the [**T**] button.
6. Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the edited contents.
   * You can give a title to the user memory. For the inputting method of titles, refer to the sub-section "**Entering titles**" in section "**Operations common to each mode**".

Professional mode/P.EQ operations

P.EQ effect ON/OFF

While the "**P.EQ**" indication is lit in the display, the P.EQ effect is set to "**ON**".

∗ The factory default setting is "**ON**".

1. Press the [**A**] button and select "**P.EQ**".

2. Press the [**D**] button. "**P.EQ**" in the display is changed from blinking to lit or unlit.

    ∗ When "**P.EQ**" is unlit, the P.EQ effect is set to OFF.

Note:
*   *If the P.EQ effect is set to OFF, the adjustment made in "**P.EQ operations**" is not reflected in the music source.*

Selecting a P.EQ menu

1. Press the [**A**] button and select "**P.EQ**". "**P.EQ**" blinks in the display.

2. Press the [**BND**] button to select "**BASC**" (basic). "**BASC**" is displayed in the function mode indication in the display.

3. Press one of the [**DIRECT**] buttons and select the desired P.EQ menu.

    ∗ To select the user memory, press the [**BND**] button to select "**USR**" and press one of the [**DIRECT**] buttons.

Editing/storing a P.EQ menu (User memory)

1. Select a P.EQ menu which you want to edit on the basis of.

2. Press and hold the [**T**] button for 1 second or longer.

3. Press the [◀◀] or [▶▶] button to select the item to be adjusted.

    There are correction channel, correction band, selection of the center frequency, gain adjustment and selection of the Q-curve available for the items to be adjusted.

    ∗ For details on each adjustment item, refer to the owner's manual supplied with the DPH910.

4. Turn the [**ROTARY**] knob clockwise or counterclockwise to make the adjustment.

5. Repeat steps 3 to 4 to complete the adjustment and press the [**T**] button.

6. Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the edited contents.

    ∗ You can give a title to the user memory. For the inputting method of titles, refer to the subsection "**Entering titles**" in section "**Operations common to each mode**".

Digital Radio / DAB Operations

DAB control function

When a CeNET cable is used to connect a DAB (DAH913 or DAH9500z) (sold separately), all functions can be operated.

∗ A Digital Radio (DAB) program can be received only in Canada.

Listening to the DAB station

1. Press the [**FNC**] button to select the DAB mode.

2. When the unit receives a DAB station, the display changes in the following order:

    Frequency channel ➜ service label
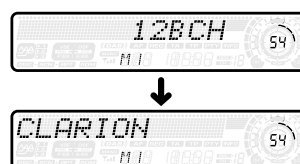
Switching displays

Press the [**D**] button for 1 second during the Main (service label) display to select Main (service label) or Sub (PTY).
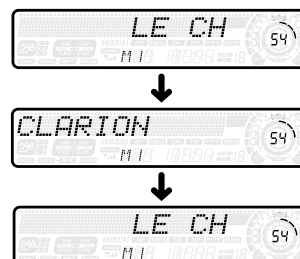
Note:
*   *The display shown in the normal reception mode and the preset reception mode is the same when a DAB station is received.*

3. When the unit does not receive a DAB station, the display changes in the following order:

    –Normal reception mode–

    –Preset reception mode–

Notes:
*   *The number of programmes and broadcasting times depend on the DAB stations.*
*   *When the strength of DAB signals is weak, audio output is muted.*

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Seek tuning

1. Press the [**FNC**] button to select the DAB mode.

2. Press and hold the [◀◀] or [▶▶] button for 1 second or longer.

```
SEARCHING        54
        M1
```

* "**SEARCHING**" appears in the display.

3. "**DAB**" lights up in the display when the main unit receives a DAB station.

   * The main unit stops the seek tuning when it cannot find a DAB station. The display returns to the previous mode.

Manual tuning

1. Press the [**FNC**] button to the select the DAB mode.

2. Press and hold the [**BND**] button for 1 second or longer. "**MANU**" lights up in the display.

3. Press the [◀◀] or [▶▶] button to select a station.

   * If no operation is performed for more than 7 seconds, manual tuning is cancelled and the display returns to the previous mode.

Switching programmes

1. Press the [**FNC**] button to receive a DAB station.

2. Press the [◀◀] or [▶▶] button to switch programmes in the DAB station.

Note:
• The programme name may be the same depending on DAB programmes.

Programme scan

This function scans through each receivable programme in a DAB station being received for 10 seconds sequentially. This is useful when you want to search for a desired programme.

1. Press the [**FNC**] button to receive a DAB station.

2. Perform the following operation depending on the connected model.

   Press the [**SC**] button. "**SERVICE SCN**" lights up and the unit starts scanning each programme for 10 seconds sequentially. Each time the main unit scans, the programme name is shown in the display.

3. To stop programme scan when a desired programme is tuned in.

   Press the [**SC**] button.

Manual memory

The main unit has a manual memory function for DAB programmes. Up to 18 programmes (6 programmes each) can be preset in the preset buttons.

   [M1], [M2] and [M3]

1. Press the [**FNC**] button to select DAB mode.

2. Press the [**BND**] button to select any one shown above.

3. Press the [◀◀] or [▶▶] button to select a desired programme.

4. Press and hold one of the [**DIRECT**] buttons (1 to 6) for 2 seconds or longer to store the programme.

Note:
• The interrupt programme (PTY or INFO) cannot be written into a manual memory.

Recalling a preset programme

1. Press the [**FNC**] button to select the DAB mode.

2. Press the [**BND**] button. Each time you press the [**BND**] button, the display changes in the following order:

   [M1] ➜ [M2] ➜ [M3] ➜ [M1]...

3. Press one of the [**DIRECT**] buttons to recall a preset programme.

Note:
• Press and hold the [**DIRECT**] button for 2 seconds or longer to store the programme currently being received. (Manual memory)

AF function

The AF function switches to a different frequency on the same network in order to maintain optimum reception.

* The factory default setting is "**ON**"

● **Switching OFF the AF function**

Press the [**RP**] button. "**AF**" in the display goes off and the AF function turns off.

● **Switching ON the AF function**

Press the [**RP**] button. "**AF**" in the display lights and the AF function turns on.

* If the reception of the current broadcast station deteriorates, "**SEARCHING SAME STATION**" or "**SEARCH**" appears in the display and the radio searches for the same programme on another frequency.

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INFO (Announcement)

In the INFO standby mode, when the selected announcement programme starts, the main unit switches to the selected announcement programme automatically.

● **Setting the INFO standby mode**

If you press and hold the [I] button for 1 second or longer, "**INFO**" lights in the display and the main unit is set into the INFO standby mode until the selected announcement is broadcast. When the selected announcement broadcast starts, the announcement item appears in the display. If you press and hold the [I] button for 1 second or longer while the selected announcement broadcast is being received, the selected announcement broadcast reception is cancelled and the main unit goes into the INFO standby mode.

● **Cancelling INFO standby mode**

To cancel the INFO standby mode, press and hold the [I] button for 1 second or longer.

● **Information select**

This is a function for selecting INFORMATION ON or OFF in the Information interrupt mode.

You can set ON up to 6 information items.

You can select any of the 6 items below:

INFORMATION item	
ENGLISH	**Contents**
TRAVEL	Transport flash
WARNING	Warning / Service
NEWS	News flash
WEATHER	Area weather flash
EVENT	Event announcement
SPECIAL	Special event

1. Perform the following operation depending on the connected model.

   Press and hold the [**T**] button for 1 second or longer.

2. Press the [◀◀] or [▶▶] button to select "**INFO SEL**", then press the [▶II] button to enter "**INFO SEL**" mode.

3. Press the [◀◀] or [▶▶] button to select an information item. You can select any of 6 items:

   TRAVEL ➜ WARNING ➜ NEWS ➜ WEATHER ➜ EVENT ➜ SPECIAL ➜ TRAVEL ...

4. Perform the following operation depending on the connected model.

Turn the [**ROTARY**] knob clockwise or counterclock wise to set the information item for ON or OFF.

5. Press the [**T**] button to return to the previous display.

Switching the PTY and INFO display language

You can select one of 2 languages (English or French) for the PTY and INFO shown in the display.

∗ **The factory default setting is "ENGLISH".**

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.

2. Press the [◀◀] or [▶▶] button and select "**LANGUAGE**".

3. Press the [▶II] button.

4. Turn the [**ROTARY**] knob clockwise or counterclockwise to select the desired language.

5. Press the [**T**] button to return to the previous mode.

TA (Traffic Announcement)

In the TA standby mode, when a traffic announcement broadcast starts, the traffic announcement broadcast is received as top priority regardless of the function mode. Traffic programme (TP) automatic tuning is also possible.

∗ This function can only be used when "**TP**" is lit in the display. When "**TP**" is lit, this means that the DAB broadcast station being received has traffic announcement programmes.

● **Setting TA standby mode**

If you press the [I] button when only "**TP**" is lit in the display, "**TP**" and "**TA**" light in the display and the unit is set into TA standby mode until a traffic announcement is broadcast. When a traffic announcement broadcast starts, "**TRA INFO**" appears in the display. If you press the [I] button while a traffic announcement broadcast is being received, the traffic announcement broadcast reception is cancelled and the unit goes into TA standby mode.

● **Cancelling TA standby mode**

With "**TP**" and "**TA**" lit in the display, press the [I] button. The "**TA**" in the display goes off and TA standby mode is cancelled.

∗ If "**TP**" is not lit, pressing [I] button searches for a TP station.

● Searching for a TP station

When "**TP**" is not lit, if you press the [**I**] button, "**TA**" in the display lights and the unit automatically receives a TP station.

Note:

• *If a TP station is not received, the unit continues the search operation. Pressing the [I] button again goes off "TA" in the display and stops TP station searching.*

Auto store function for TP stations

You can automatically store up to 6 TP stations into preset memory. If the number of TP that can be received is less than 6, broadcast stations already stored in memory are left without being overwritten.

With "**TA**" lit in the display, press and hold the [**SC**] button for 2 seconds or longer. The TP stations with the good reception sensitivity are stored into preset memory.

∗ Even if you select FM1 or FM2, a TP station is stored into memory for FM3.

PTY

This function enables you to listen to the selected programme type, irrespective of the function mode.

∗ PTY broadcasts are not yet available in all countries.

∗ In the INFO standby mode, INFO stations have priority over PTY stations.

∗ In the TA standby mode, TP stations have priority over PTY stations.

PTY item	
ENGLISH	**Contents**
NEWS	News
INFORM	Information
SPORTS	Sports
TALK	Talk
ROCK	Rock
CLS ROCK	Classic Rock
ADLT HIT	Adult Hits
SOFT RCK	Soft Rock
TOP 40	Top 40
COUNTRY	Country music
OLDIES	Oldies
SOFT	Soft music
NOSTALGA	Nostalgia
JAZZ	Jazz
CLASSICL	Classical
R & B	Rhythm and Blues
SOFT R&B	Soft Rhythm and Blues
LANGUAGE	Language
REL MUSC	Religious music
REL TALK	Religious talk
PERSNLTY	Personality
PUBLIC	Public
COLLEGE	College
WEATHER	Weather

● Setting PTY standby mode

When you press the [**RD**] button, "**PTY**" lights in the display and the PTY standby mode is turned on. When the selected PTY broadcast starts, the PTY item name appears in the display.

● Cancelling PTY standby mode

When you press and hold the [**RD**] button for 1 second or longer, "**PTY**" goes off in the display and PTY standby mode is cancelled.

● Cancelling a PTY interrupt broadcast

Press the [**RD**] button during the PTY interrupt broadcast, the PTY interrupt is cancelled and the unit returns to PTY standby mode.

Selecting PTY

1. When you press the [**RD**] button, the unit goes into PTY select mode.

2. Press any one of the [**DIRECT**] buttons. Alternatively, turn the [**ROTARY**] knob clockwise or counterclockwise to select the desired PTY.

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∗ Below are the factory default settings stored for the [**DIRECT**] buttons.

Preset number	PTY item	
	ENGLISH	**Contents**
1	**NEWS**	News
2	**SPORTS**	Sports
3	**COUNTRY**	Country music
4	**TALK**	Talk
5	**JAZZ**	Jazz
6	**SOFT**	Soft music

3. The PTY select mode is cancelled automatically 7 seconds after a PTY is selected.

PTY seek

1. When you press the [**RD**] button, the PTY select mode is turned on.

2. Select PTY.

3. Press the [◄◄] or [►►] button. If you press the [►►] button, the unit seeks a PTY broadcast moving up the frequencies; if you press the [◄◄] button, it seeks moving down the frequencies.

   ∗ If no station with the selected PTY broadcast can be received, the unit returns to PTY select mode.

PTY preset memory

1. When you press the [**RD**] button, the PTY select mode is turned on.

2. Turn the [**ROTARY**] knob clockwise or counterclockwise to select the desired PTY.

   The 29 types of PTY below can be selected.

3. If you press and hold any one of the [**DIRECT**] buttons for 2 seconds or longer, the selected PTY is stored into that preset channel memory.

Emergency broadcast

When an emergency broadcast is received, all the function mode operations are stopped. "**ALARM**" appears in the display and the emergency broadcast can be heard.

● **Cancelling an emergency broadcast**

If you press [**RP**] button, emergency broadcast reception is cancelled.

Volume setting of TA, INFO, emergency broadcast (ALARM) and PTY

The volume for TA, INFO, ALARM and PTY interrupts can be set during TA, INFO, ALARM and PTY interrupt. Perform the following operation depending on the connected model.

∗ The factory default setting is "**15**".

During a TA, INFO, ALARM or PTY interrupt, turn the [**ROTARY**] knob clockwise or counterclockwise to set the volume to a desired level (0 to 33).

∗ When the TA, INFO, ALARM or PTY interrupt ends, the volume returns to the level it had before the interrupt.

DVD Operations

Operation

● **Play/Still operation**

Press the [▶❙❙] button to select the desired mode (play, still (pause)).

Each time the button is pressed, the mode changes cyclically.

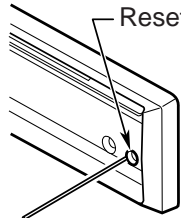● **Chapter up/down operation (FF/FB operation)**

Press the [▶▶] button for 1 second or shorter to increment chapters.

Hold down the [▶▶] button for 1 second or longer to fast forward.

Press the [◀◀] button for 1 second or shorter to decrement chapters.

Hold down the [◀◀] button for 1 second or longer to fast backward.

9. IN CASE OF DIFFICULTY

	Problem	Cause	Measure
General	Power does not turn on. (No sound is produced.)	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
		Incorrect wiring.	Consult your store of purchase.
	No sound output when operating the unit with amplifiers or power antenna attached.	Power antenna lead is shorted to ground or excessive current is required for remote-on the amplifiers or power antenna.	1. Turn the unit off. 2. Remove all wires attached to the power antenna lead. Check each wire for a possible short to ground using an ohm meter. 3. Turn the unit back on. 4. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external relay to provide remote-on voltage (excessive current required).
	Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press the [**RELEASE**] button and remove the DCP. Press the reset button with a thin rod. — Reset button
		DCP or main unit connectors are dirty.	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.
CD	Compact disc cannot be loaded.	Another compact disc is already loaded.	Eject the compact disc before loading the new one.
	Sound skips or is noisy.	Compact disc is dirty.	Clean the compact disc with a soft cloth.
		Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
	Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with the power on.
DSP	Poor sound quality	The equalizer levels are too high.	If the equalizer levels are too high, the sound may distort. Lower the equalizer levels.

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10. ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.

Take the measures described below to eliminate the problem.

	Error Display	Cause	Measure
CD	**ERROR 2**	A CD is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism and consult your store of purchase.
	ERROR 3	A CD cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped-disc.
	ERROR 6	A CD is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
CD changer	**ERROR 2**	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism and consult your store of purchase.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
MD changer	**ERROR H**	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
	ERROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism and consult your store of purchase.
	ERROR 3	An MD inside the MD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	An MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.

If an error display other than the ones described above appears, press the reset button. If the problem persists, turn off the power and consult your store of purchase.

11. SPECIFICATIONS

FM Tuner

Frequency Range:
  87.9 MHz to 107.9 MHz

Usable Sensitivity:
  9 dBf

50dB Quieting Sensitivity:
  15 dBf

Alternate Channel Selectivity:
  70 dB

Stereo Separation (1 kHz):
  35 dB

Frequency Response (±3 dB):
  30 Hz to 15 kHz

AM Tuner

Frequency Range:
  530 kHz to 1710 kHz

Usable Sensitivity:
  25 µV

CD Player

System:
  Compact disc digital audio system

Usable Discs:
  Compact disc

Frequency Response (±1 dB):
  5 Hz to 20 kHz

Signal to Noise Ratio (1 kHz):
  100 dB

Dynamic Range (1 kHz):
  95 dB

Harmonic Distortion:
  0.01%

Audio

Maximum Power Output:
  200 W (50 W ✕ 4 ch) (JEITA)

Continuous Average Power Output:
  18 W ✕ 4, into 4 Ω, 20 Hz to 20 kHz, 1%THD

Bass Control Action (30 Hz):
  +15 dB/-12dB

MID Control Action (1kHz):
  ±12dB

Treble Control Action (10 kHz):
  ±12 dB

Line Output Level (CD 1 kHz):
  4 V/F 2ch + 2 V/R 2ch
  4 V/NON-FADER 2ch

General

Power Supply Voltage:
  14.4 V DC (10.8 to 15.6 V allowable), negative ground

Current Consumption:
  Less than 15 A

Speaker Impedance:
  4 Ω (4 Ω to 8 Ω allowable)

Weight / Source unit:
  3.52 lb. (1.6 kg)

Weight / Remote control unit:
  1 oz. (30 g) (including battery)

Dimensions / Source unit:
  7" (Width) ✕ 2" (Height) ✕ 6-1/8" (Depth)
  [178 (W) ✕ 50 (H) ✕ 155 (D) mm]

Dimensions / Remote control unit:
  1-3/4" (Width) ✕ 4-5/16" (Height) ✕ 1-1/8" (Depth)
  [44 (W) ✕ 110 (H) ✕ 27 (D) mm]

Notes:
• *Specifications comply with JEITA Standards.*
• *Specifications and design are subject to change without notice for further improvement.*

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11. SPÉCIFICATIONS

Tuner FM

Plage de fréquence :
87,9 à 107,9 MHz

Sensibilité utilisable :
9 dBf

Seuil de sensibilité à 50dB :
15 dBf

Sélectivité de canal de substitution :
70 dB

Séparation stéréo (1 kHz) :
35 dB

Réponse en fréquence (±3 dB) :
30 Hz à 15 kHz

Tuner AM

Plage de fréquence :
530 kHz à 1710 kHz

Sensibilité utilisable :
25 µV

Lecteur CD

Système :
Système audionumérique de disque compact

Disques utilisables :
Disques compacts

Réponse en fréquence (±1 dB) :
5 Hz à 20 kHz

Rapport signal/bruit (1 kHz) :
100 dB

Plage dynamique (1 kHz) :
95 dB

Distorsion harmonique :
0,01%

Audio

Puissance de sortie maximale :
200 W (50 W ✕ 4 canaux) (JEITA)

Puissance de sortie continue moyenne :
18 W ✕ 4, à 4 W, 20 Hz à 20 kHz, DHT 1%

Plage de variation des graves (30 Hz) :
+15 dB/-12dB

Action de la commande MID (1 kHz) :
±12 dB

Plage de variation des aigus (10 kHz) :
±12 dB

Sortie de ligne (CD 1 kHz) :
4 V/F 2ch + 2 V/R 2ch
4 V/NON-FADER 2ch

Données générales

Tension d'alimentation :
14,4 V CC (10,8 V à 15,6 V admissible),
masse négative

Consommation :
Inférieure à 15 A

Impédance de haut-parleurs :
4 Ω (4 Ω à 8 Ω admissible)

Poids / Appareil pilote :
3,52 lb. (1,6 kg)

Poids / Télécommande :
1 oz. (30 g) (avec la pile)

Dimensions / Appareil pilote :
7" (largeur) ✕ 2" (hauteur) ✕ 6-1/8" (profondeur)
[178 (L) ✕ 50 (H) ✕ 155 (P) mm]

Dimensions / Télécommande :
1-3/4" (largeur) ✕ 4-5/16" (hauteur) ✕ 1-1/8"
(profondeur)
[44 (L) × 110 (H) × 27 (P) mm]

Remarques :
- *Les spécifications respectent les normes JEITA.*
- *La conception et les spécifications sont sujettes à modification sans préavis pour des raisons d'amélioration.*

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11. ESPECIFICACIONES

Sintonizador de FM

Gama de frecuencias:
   87,9 a 107,9 MHz

Sensibilidad útil:
   9 dBf

Sensibilidad a 50 dB de silenciamiento:
   15 dBf

Selectividad de canal alternativo:
   70 dB

Separación entre canales (1 kHz):
   35 dB

Respuesta en frecuencia (±3 dB):
   30 Hz a 15 kHz

Sintonizador de AM

Gama de frecuencias:
   530 a 1710 kHz

Sensibilidad útil:
   25 μV

Reproductor de discos compactos

Sistema:
   Sistema audiodigital de discos compactos

Discos utilizables:
   Discos compactos

Respuesta en frecuencia (±1 dB):
   5 Hz a 20 kHz

Relación señal-ruido (1 kHz):
   100 dB

Gama dinámica (1 kHz):
   95 dB

Distorsión armónica:
   0,01%

Audio

Salida máxima de potencia:
   200 W (50 W ✕ 4 canales) (JEITA)

Salida media continua de potencia:
   18 W ✕ 4, con 4 Ω, de 20 Hz a 20 kHz, 1% de distorsión armónica total

Acción de control de graves (30 Hz):
   +15 dB/-12dB

Acción de control de MID (1 kHz):
   ±12 dB

Acción de control de agudos (10 kHz):
   ±12 dB

Salida de línea (reproductor de discos compactos 1 kHz):
   4 V/F 2ch + 2 V/R 2ch
   4 V/NON-FADER 2ch

Generales

Tensión de alimentación:
   14,4 V CC (permisible de 10,8 a 15,6 V), negativo a masa

Consumo de corriente:
   Menos de 15 A

Impedancia de los altavoces:
   4 Ω (permisible de 4 a 8 Ω)

Peso / Unidad fuente:
   3,52 lb. (1,6 kg)

Peso / Controlador remoto:
   1 oz. (30 g) (incluyendo la pila)

Dimensiones / Unidad fuente:
   7" (An) ✕ 2" (Al) ✕ 6-1/8" (Prf)
   [178 (An) ✕ 50 (Al) ✕ 155 (Prf) mm]

Dimensiones / Controlador remoto:
   1-3/4" (An) ✕ 4-5/16" (Al) ✕ 1-1/8" (Prf)
   [44 (An) ✕ 110 (Al) ✕ 27 (Prf) mm]

Notas:
- *Las especificaciones están de acuerdo con las normas de la JEITA.*
- *Las especificaciones y el diseño están sujetos a cambio sin previo aviso por motivo de mejoras.*